

## AUTOMATED CONFIGURATION OF PACKET ROUTED NETWORKS

### ABSTRACT OF THE DISCLOSURE

Detailed configurations for specific network elements are automatically generated and, if desired, automatically activated in response to an addition, modification and/or deletion of a network service or topology specified at high level. Network configuration information is stored in a database. Metadata, including descriptions of network elements, properties of network elements and relationships between network elements, is used to describe network topologies. Data fields described the metadata store current configuration data for each network element.